

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2004/020108

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08K7/06 C01B31/02 C08K9/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C08K C01B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 2003/096104 A1 (KAKUDATE YOZO ET AL) 22 May 2003 (2003-05-22) paragraphs '0018! - '0031!; claims 1,2,8	1-68
X	WO 02/060812 A (UNIV RICE WILLIAM M ; YANG JIPING (US); BAHR JEFFREY L (US); TOUR JAME) 8 August 2002 (2002-08-08) page 3, lines 35-37; claims; figure 21 page 18, line 27 - page 20, line 25	1-24, 41-68
A	EP 1 052 654 A (UNION CARBIDE CHEM PLASTIC) 15 November 2000 (2000-11-15) paragraphs '0026!, '0027!, '0030!; claim 1	1,54
P, X	EP 1 349 179 A (ATOFINA RES) 1 October 2003 (2003-10-01) paragraphs '0014!, '0018!, '0026!; claims	1-68

☐ Further documents are listed in the continuation of box C

☒ Patent family members are listed in annex

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *G* document member of the same patent family

Date of the actual completion of the international search

20 January 2005

Date of mailing of the international search report

26/01/2005

Name and mailing address of the ISA

European Patent Office, P B 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx 31 651 epo nl,
Fax (+31-70) 340-3016

Authorized officer

Frison, C

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2003096104	A1	22-05-2003	JP	2002273741 A	25-09-2002
WO 02060812	A	08-08-2002	DE	10295944 T5	15-04-2004
			GB	2389847 A	24-12-2003
			JP	2004530646 T	07-10-2004
			WO	02060812 A2	08-08-2002
EP 1052654	A	15-11-2000	AT	258709 T	15-02-2004
			DE	60007914 D1	04-03-2004
			DE	60007914 T2	23-12-2004
			EP	1052654 A1	15-11-2000
			JP	2000357419 A	26-12-2000
EP 1349179	A	01-10-2003	EP	1349179 A1	01-10-2003
			WO	03079375 A1	25-09-2003
			EP	1485924 A1	15-12-2004